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TO: Patricia Duffy
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Patricia A. Duffy, Ph.D.
Primary Patent Examiner
571-272-0855,
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1645

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311	93.5	2.4	501	6	US-10-953-349-1920	Sequence 3252, A	390	86	2.2	7
312	93.5	2.4	536	6	US-10-449-902-32244	Sequence 390, App	391	86	2.2	1333
313	93.5	2.4	763	6	US-10-982-908-28	Sequence 5334, A	392	86	2.2	1429
314	93.5	2.4	880	6	US-10-449-902-11494	Sequence 5334, Ap	393	86	2.2	345
315	93.5	2.4	1099	6	US-10-449-902-55236	Sequence 4199, A	394	86	2.2	7
316	93.5	2.4	1630	7	US-11-174-307B-2222	Sequence 55236, A	395	86	2.2	1890
317	93	2.4	74	7	US-11-254-185-45	Sequence 1921, Ap	396	86	2.2	421
318	93	2.4	74	7	US-11-253-669-45	Sequence 1921, A	397	86	2.2	1316
319	93	2.4	483	7	US-11-293-697-715	Sequence 2222, Ap	398	86	2.2	1316
320	93	2.4	801	6	US-10-504-973-38	Sequence 2222, A	399	86	2.2	1373
321	93	2.4	1002	7	US-11-259-133-113	Sequence 2222, A	400	86	2.2	7
322	93	2.4	1418	7	US-11-174-307B-950	Sequence 2222, A	401	86	2.2	1248
323	92.5	2.3	569	7	US-11-174-307B-200	Sequence 2222, A	402	86	2.2	1442
324	92.5	2.3	1042	7	US-11-121-154-176	Sequence 2222, A	403	86	2.2	1442
325	92.5	2.3	1367	7	US-11-289-102-382	Sequence 2222, A	404	86	2.2	1442
326	92.5	2.3	1544	7	US-11-174-307B-1374	Sequence 2222, A	405	86	2.2	1442
327	92	2.3	845	6	US-10-449-902-55752	Sequence 45752, A	406	86	2.2	1442
328	92	2.3	845	6	US-10-449-902-22863	Sequence 45752, A	407	86	2.2	1442
329	91.5	2.3	585	6	US-10-449-902-41383	Sequence 4183, A	408	86	2.2	1442
330	91.5	2.3	1592	7	US-11-174-307B-1172	Sequence 4183, A	409	85.5	2.2	1442

405	85.5	2.2	411	7	US-11-056-355B-89035	Sequence 89035, A	479	83.5	2.1	470	7	US-11-056-355B-7178	Sequence 74178, A
406	85.5	2.2	411	7	US-11-056-355B-92791	Sequence 92791, A	480	83.5	2.1	622	7	US-11-056-355B-71177	Sequence 74177, A
407	85.5	2.2	421	7	US-11-056-355B-89034	Sequence 89034, A	481	83.5	2.1	628	7	US-11-056-355B-77083	Sequence 77083, A
408	85.5	2.2	598	7	US-11-296-092-69	Sequence 69, APPL	482	83.5	2.1	694	7	US-11-056-355B-77082	Sequence 77082, A
409	85.5	2.2	598	7	US-11-296-155-69	Sequence 69, APPL	483	83.5	2.1	697	7	US-11-056-355B-77081	Sequence 45869, A
410	85.5	2.2	673	7	US-11-101-316-16	Sequence 16, APPL	484	83.5	2.1	697	7	US-11-056-355B-77081	Sequence 77081, A
411	85.5	2.2	759	6	US-10-449-902-42287	Sequence 42287, A	485	83.5	2.1	748	7	US-11-056-355B-45668	Sequence 45868, A
412	85.5	2.2	1259	7	US-11-174-3-07B-1126	Sequence 1126, APPL	486	83.5	2.1	838	7	US-11-174-3-07B-808	Sequence 808, APPL
413	85.5	2.2	1529	7	US-11-174-3-07B-1114	Sequence 1114, APPL	487	83.5	2.1	873	7	US-11-174-3-07B-1072	Sequence 1072, APPL
414	85.5	2.2	1534	7	US-11-174-3-07B-2156	Sequence 2156, APPL	488	83.5	2.1	1132	7	US-11-174-3-07B-448	Sequence 4648, APPL
415	85.5	2.2	1739	7	US-11-174-3-07B-3342	Sequence 3342, APPL	489	83.5	2.1	1155	7	US-11-174-3-07B-504	Sequence 644, APPL
416	85.5	2.2	1881	7	US-11-174-3-07B-520	Sequence 520, APPL	490	83.5	2.1	1220	7	US-11-174-3-07B-1048	Sequence 1048, APPL
417	85.5	2.2	2202	6	US-10-544-731-8	Sequence 8, APPL	491	83.5	2.1	1277	7	US-11-174-3-07B-888	Sequence 888, APPL
418	85.5	2.2	2227	6	US-10-544-731-7	Sequence 7, APPL	492	83.5	2.1	1289	7	US-11-174-3-07B-2114	Sequence 2114, APPL
419	85.5	2.2	2233	6	US-10-544-731-9	Sequence 9, APPL	493	83.5	2.1	1315	7	US-11-174-3-07B-4248	Sequence 4248, APPL
420	85	2.2	536	6	US-10-449-902-36867	Sequence 36167, A	495	83.5	2.1	1363	7	US-11-174-3-07B-4900	Sequence 4900, APPL
421	85	2.2	536	6	US-10-449-902-46163	Sequence 46163, A	496	83.5	2.1	1424	7	US-11-174-3-07B-504	Sequence 504, APPL
422	85	2.2	594	6	US-10-525-105-7	Sequence 7, APPL	497	83.5	2.1	1658	7	US-11-174-3-07B-504	Sequence 2176, APPL
423	85	2.2	639	6	US-10-525-105-10	Sequence 10, APPL	498	83.5	2.1	1753	7	US-11-174-3-07B-802	Sequence 802, APPL
424	85	2.2	732	7	US-11-293-697-3575	Sequence 3575, APPL	499	83	2.1	431	7	US-11-293-697-3749	Sequence 3749, APPL
425	85	2.2	774	6	US-10-525-105-1	Sequence 1, APPL	500	83	2.1	673	7	US-11-293-697-4886	Sequence 4886, APPL
426	85	2.2	774	7	US-11-225-554-111	Sequence 111, APPL	501	83	2.1	1168	7	US-11-174-3-07B-4900	Sequence 4900, APPL
427	85	2.2	1019	6	US-10-525-105-22	Sequence 22, APPL	502	83	2.1	1228	7	US-11-174-3-07B-3808	Sequence 3808, APPL
428	85	2.2	1019	6	US-10-525-105-17	Sequence 17, APPL	503	83	2.1	1316	7	US-11-174-3-07B-704	Sequence 704, APPL
429	85	2.2	1023	6	US-10-525-105-20	Sequence 20, APPL	504	83	2.1	1479	7	US-11-174-3-07B-554	Sequence 2554, APPL
430	85	2.2	1024	7	US-10-525-105-15	Sequence 15, APPL	505	83	2.1	1522	7	US-11-174-3-07B-1099	Sequence 1098, APPL
431	85	2.2	1302	7	US-11-174-3-07B-2424	Sequence 2424, APPL	506	83	2.1	1633	7	US-11-293-697-3488	Sequence 1088, APPL
432	85	2.2	1350	7	US-11-174-3-07B-1316	Sequence 1316, APPL	507	83	2.1	1637	7	US-11-174-3-07B-700	Sequence 1246, APPL
433	85	2.2	1488	7	US-11-174-3-07B-3986	Sequence 3986, APPL	508	83	2.1	1655	7	US-11-174-3-07B-3310	Sequence 3310, APPL
434	85	2.2	1518	7	US-11-174-3-07B-742	Sequence 742, APPL	509	83	2.1	1702	7	US-11-174-3-07B-704	Sequence 2114, APPL
435	85	2.2	1597	7	US-11-174-3-07B-618	Sequence 618, APPL	510	83	2.1	1776	7	US-11-174-3-07B-554	Sequence 2554, APPL
436	85	2.2	1784	7	US-11-174-3-07B-2856	Sequence 2856, APPL	511	83	2.1	1806	7	US-11-174-3-07B-812	Sequence 872, APPL
437	85	2.2	1796	7	US-11-174-3-07B-910	Sequence 910, APPL	512	83	2.1	1848	7	US-11-174-3-07B-372	Sequence 1372, APPL
438	85	2.2	1851	7	US-11-174-3-07B-2240	Sequence 2240, APPL	513	83	2.1	2085	7	US-11-174-3-07B-554	Sequence 954, APPL
439	85	2.2	1973	7	US-11-174-3-07B-1378	Sequence 1378, APPL	514	83	2.1	2179	7	US-11-174-3-07B-2133	Sequence 185, APPL
440	85	2.2	2079	7	US-11-174-3-07B-4144	Sequence 4144, APPL	515	82.5	2.1	408	7	US-11-174-3-07B-214	Sequence 214, APPL
441	84.5	2.1	363	7	US-11-354-653-29	Sequence 82, APPL	516	82.5	2.1	477	6	US-10-953-49-11023	Sequence 11023, A
442	84.5	2.1	375	7	US-11-246-999-38	Sequence 38, APPL	517	82.5	2.1	479	6	US-10-953-39-11022	Sequence 11022, A
443	84.5	2.1	443	7	US-11-175-714-138	Sequence 825, APPL	518	82.5	2.1	987	7	US-11-174-3-07B-1224	Sequence 1224, APPL
444	84.5	2.1	383	6	US-10-503-288-825	Sequence 45, APPL	519	82.5	2.1	1108	7	US-11-174-3-07B-1122	Sequence 1122, APPL
445	84.5	2.1	383	7	US-11-246-999-45	Sequence 126, APPL	520	82.5	2.1	1125	7	US-11-174-3-07B-280	Sequence 280, APPL
446	84.5	2.1	383	7	US-11-246-999-126	Sequence 29, APPL	521	82.5	2.1	1300	7	US-11-174-3-07B-250	Sequence 1250, APPL
447	84.5	2.1	413	7	US-11-246-999-125	Sequence 125, APPL	522	82.5	2.1	1375	7	US-11-174-3-07B-622	Sequence 622, APPL
448	84.5	2.1	413	7	US-11-174-3-07B-618	Sequence 138, APPL	523	82.5	2.1	1481	7	US-11-174-3-07B-1162	Sequence 1162, APPL
449	84.5	2.1	547	7	US-11-293-697-2751	Sequence 2151, APPL	524	82.5	2.1	1530	7	US-11-174-3-07B-834	Sequence 854, APPL
450	84.5	2.1	547	7	US-11-174-3-07B-510	Sequence 510, APPL	525	82.5	2.1	1860	7	US-11-174-3-07B-1132	Sequence 1122, APPL
451	84.5	2.1	1367	7	US-11-174-3-07B-510	Sequence 1115, APPL	526	82.5	2.1	1938	7	US-11-174-3-07B-996	Sequence 996, APPL
452	84.5	2.1	1464	7	US-11-174-3-07B-1116	Sequence 3616, APPL	527	82	2.1	274	7	US-11-174-3-07B-185-9	Sequence 140, APPL
453	84.5	2.1	1720	7	US-11-174-3-07B-3676	Sequence 940, APPL	528	82	2.1	274	7	US-11-253-829-9	Sequence 9, APPL
454	84.5	2.1	1859	7	US-11-174-3-07B-940	Sequence 876, APPL	529	82	2.1	758	6	US-10-449-902-56544	Sequence 5644, A
455	84.5	2.1	2052	7	US-11-525-105-4	Sequence 2134, APPL	530	82	2.1	863	7	US-11-174-3-07B-2446	Sequence 2446, APPL
456	84.5	2.1	2740	7	US-11-174-3-07B-1234	Sequence 46218, APPL	531	82	2.1	1005	7	US-11-174-3-07B-1158	Sequence 4132, APPL
457	84.5	2.1	526	6	US-10-449-902-46218	Sequence 51492, A	532	82	2.1	1029	7	US-11-174-3-07B-900	Sequence 956, APPL
458	84	2.1	542	7	US-11-056-355B-53956	Sequence 53956, A	533	82	2.1	1125	7	US-11-174-3-07B-534	Sequence 9, APPL
459	84	2.1	595	6	US-11-291-697-3163	Sequence 3163, APPL	534	82	2.1	1194	7	US-11-174-3-07B-986	Sequence 2328, APPL
460	84	2.1	909	6	US-10-525-105-4	Sequence 4, APPL	535	82	2.1	1245	7	US-11-174-3-07B-850	Sequence 986, APPL
461	84	2.1	1676	7	US-11-174-3-07B-628	Sequence 1124, APPL	536	82	2.1	1283	7	US-11-174-3-07B-678	Sequence 850, APPL
462	84	2.1	1759	7	US-11-174-3-07B-942	Sequence 900, APPL	537	82	2.1	1494	7	US-11-174-3-07B-1362	Sequence 1158, APPL
463	84	2.1	1764	7	US-11-174-3-07B-900	Sequence 2608, APPL	538	82	2.1	1497	7	US-11-174-3-07B-678	Sequence 1900, APPL
464	84	2.1	1794	7	US-11-174-3-07B-2608	Sequence 539, APPL	539	82	2.1	1462	7	US-11-174-3-07B-1412	Sequence 54, APPL
465	84	2.1	1792	7	US-11-174-3-07B-1192	Sequence 946, APPL	540	82	2.1	1504	7	US-11-174-3-07B-2288	Sequence 228, APPL
466	84	2.1	1732	7	US-11-174-3-07B-946	Sequence 636, APPL	541	82	2.1	1653	7	US-11-174-3-07B-826	Sequence 973, APPL
467	84	2.1	1818	7	US-11-174-3-07B-586	Sequence 2052, APPL	542	82	2.1	1680	7	US-11-174-3-07B-712	Sequence 712, APPL
468	84	2.1	1874	7	US-11-174-3-07B-2852	Sequence 612, APPL	543	82	2.1	1957	7	US-11-174-3-07B-2192	Sequence 2192, APPL
469	84	2.1	1850	7	US-11-174-3-07B-612	Sequence 217, APPL	544	81.5	2.1	382	7	US-11-174-3-07B-530	Sequence 50, APPL
470	84	2.1	1797	7	US-11-174-3-07B-2112	Sequence 944, APPL	545	81.5	2.1	407	7	US-11-174-3-07B-4256	Sequence 4, APPL
471	84	2.1	1732	7	US-11-174-3-07B-2626	Sequence 536, APPL	546	81.5	2.1	477	7	US-10-449-902-4256	Sequence 4256, A
472	84	2.1	1818	7	US-11-174-3-07B-3163	Sequence 537, APPL	547	81.5	2.1	800	7	US-11-156-355B-73161	Sequence 73161, A
473	84	2.1	1874	7	US-11-174-3-07B-2852	Sequence 538, APPL	548	81.5	2.1	862	6	US-10-449-902-55157	Sequence 55157, A
474	84	2.1	1850	7	US-11-174-3-07B-612	Sequence 539, APPL	549	81.5	2.1	896	7	US-11-056-355B-73160	Sequence 73160, A
475	84	2.1	1917	7	US-11-174-3-07B-2112	Sequence 540, APPL	550	81.5	2.1	930	6	US-10-449-902-4161	Sequence

552	81.5	2.1	994	7	US-11-174-307B-918	Sequence 918, APP	625	80	2.0	254	7	US-11-030-653-18
553	81.5	2.1	1161	7	US-11-174-307B-1150	Sequence 1150, APP	626	80	2.0	335	6	US-10-511-937-2469
554	81.5	2.1	1370	7	US-11-174-307B-858	Sequence 858, APP	627	80	2.0	350	6	US-10-510-783-10
555	81.5	2.1	1542	7	US-11-174-307B-1248	Sequence 1248, APP	628	80	2.0	442	6	US-10-449-902-46671
556	81.5	2.1	1610	7	US-11-174-307B-1472	Sequence 1472, APP	629	80	2.0	533	6	US-10-449-902-43727
557	81.5	2.1	1761	7	US-11-174-307B-1306	Sequence 1306, APP	630	80	2.0	1017	7	US-11-174-307B-956
558	81.5	2.1	1771	7	US-11-174-307B-928	Sequence 98, APP	631	80	2.0	1053	7	US-11-174-307B-1530
559	81.5	2.1	1786	7	US-11-174-307B-602	Sequence 602, APP	632	80	2.0	1217	7	US-11-174-307B-186
560	81.5	2.1	2013	7	US-11-174-307B-1226	Sequence 1226, APP	633	80	2.0	1283	7	US-11-174-307B-578
561	81.5	2.1	2013	7	US-11-174-307B-13	Sequence 13, APP	634	80	2.0	1335	7	US-11-174-307B-1035
562	81.5	2.1	324	6	US-10-449-902-50892	Sequence 50892, APP	635	80	2.0	1485	7	US-11-174-307B-1180
563	81.5	2.1	325	7	US-11-293-697-3615	Sequence 3615, APP	636	80	2.0	1914	7	US-11-174-307B-1256
564	81.5	2.1	326	6	US-10-449-902-54143	Sequence 54143, APP	637	80	2.0	2124	7	US-11-174-307B-3446
565	81.5	2.1	523	6	US-10-953-349-8162	Sequence 8162, APP	638	80	2.0	3696	7	US-11-130-363-4
566	81.5	2.1	662	7	US-11-056-355B-103366	Sequence 1607, APP	639	79.5	2.0	33	7	US-11-133-871-1040
567	81.5	2.1	662	7	US-11-056-355B-114605	Sequence 1607, APP	640	79.5	2.0	195	6	US-10-449-902-47499
568	81.5	2.1	662	7	US-11-056-355B-103367	Sequence 103367, APP	641	79.5	2.0	217	6	US-10-471-571A-4354
569	81.5	2.1	662	7	US-11-056-355B-114606	Sequence 114606, APP	642	79.5	2.0	286	6	US-10-449-902-37451
570	81.5	2.1	732	7	US-11-056-355B-38223	Sequence 1606, APP	643	79.5	2.0	407	6	US-10-449-902-3616
571	81.5	2.1	732	7	US-11-056-355B-1103366	Sequence 103366, APP	644	79.5	2.0	801	6	Sequence 41499, A
572	81.5	2.1	732	7	US-11-056-355B-114605	Sequence 114605, APP	645	79.5	2.0	868	7	Sequence 41749, A
573	81.5	2.1	732	7	US-11-056-355B-114605	Sequence 1605, APP	646	79.5	2.0	923	7	US-11-174-307B-4314
574	81.5	2.1	754	6	US-10-953-349-1605	Sequence 103367, APP	647	79.5	2.0	1077	7	US-11-056-355B-79530
575	81.5	2.1	754	7	US-11-056-355B-38222	Sequence 38222, APP	648	79.5	2.0	1088	7	US-11-056-355B-79529
576	81.5	2.1	754	7	US-11-056-355B-103365	Sequence 103365, APP	649	79.5	2.0	1097	7	US-11-174-307B-638
577	81.5	2.1	754	7	US-11-056-355B-114604	Sequence 114604, APP	650	79.5	2.0	1254	7	US-11-056-355B-79528
578	81.5	2.1	765	7	US-11-165-586-36	Sequence 36, APP	651	79.5	2.0	1263	7	US-11-174-307B-1290
579	81.5	2.1	1135	7	US-11-174-307B-2204	Sequence 2204, APP	652	79.5	2.0	1307	7	US-11-174-307B-4164
580	81.5	2.1	1153	7	US-11-174-307B-1236	Sequence 1236, APP	653	79.5	2.0	1346	7	US-11-174-307B-676
581	81.5	2.1	1233	7	US-11-174-307B-734	Sequence 734, APP	654	79.5	2.0	1376	7	US-11-174-307B-3652
582	81.5	2.1	1573	7	US-11-174-307B-994	Sequence 994, APP	655	79.5	2.0	1421	7	US-11-174-307B-1108
583	81.5	2.1	1395	7	US-11-174-307B-1130	Sequence 1130, APP	656	79.5	2.0	1446	7	US-11-174-307B-1626
584	81.5	2.1	1641	7	US-11-174-307B-760	Sequence 110, APP	657	79.5	2.0	1713	7	US-11-174-307B-2224
585	81.5	2.1	1432	7	US-11-174-307B-1100	Sequence 958, APP	658	79.5	2.0	1744	7	US-11-174-307B-580
586	81.5	2.1	1443	7	US-11-174-307B-9870	Sequence 870, APP	659	79.5	2.0	2762	7	US-11-174-307B-2672
587	81.5	2.1	1842	7	US-11-174-307B-584	Sequence 584, APP	660	660	2.0	383	6	US-10-449-902-35429
588	81.5	2.1	1573	7	US-11-174-307B-770	Sequence 770, APP	661	660	2.0	497	6	US-11-174-307B-4845
589	81.5	2.1	1599	7	US-11-174-307B-1050	Sequence 1050, APP	662	660	2.0	579	6	US-10-449-902-5626
590	81.5	2.1	3658	7	US-11-174-307B-1668	Sequence 760, APP	663	660	2.0	672	6	US-10-449-902-45396
591	81.5	2.1	1828	7	US-11-056-355B-88825	Sequence 8825, APP	664	660	2.0	869	7	Sequence 5164, A
592	81.5	2.1	1842	7	US-11-056-355B-92581	Sequence 9281, APP	665	660	2.0	871	7	Sequence 81114, A
593	81.5	2.1	1842	7	US-11-056-355B-82005	Sequence 82005, APP	666	660	2.0	928	6	Sequence 3429, A
594	81.5	2.1	1855	7	US-11-056-355B-82003	Sequence 82004, APP	667	660	2.0	1007	7	US-11-174-307B-4845
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596	81.5	2.1	3658	7	US-11-174-307B-1668	Sequence 1668, APP	669	660	2.0	1250	7	US-11-174-307B-1204
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Sequence 9546, A	933	93.5	1.9	700	7	US-10-449-902-4463
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1048	75	1.9	1623	7	US-11-174-3-07B-1512	Sequence 4462, APP	1124	73.5	1.9	2221	6	Sequence 2696, APP
1049	75	1.9	1681	7	US-11-174-3-07B-5166	Sequence 4014, APP	1125	73.5	1.9	2221	6	Sequence 4242, APP
1050	75	1.9	1703	7	US-11-174-3-07B-1104	Sequence 548, APP	1126	73.5	1.9	2221	6	Sequence 1128, APP
1051	75	1.9	1727	7	US-11-174-3-07B-2694	Sequence 2694, APP	1127	73.5	1.9	2221	6	Sequence 1078, APP
1052	75	1.9	1736	7	US-11-174-3-07B-1218	Sequence 1218, APP	1128	73.5	1.9	2221	6	Sequence 147, APP
1053	75	1.9	1757	7	US-11-174-3-07B-1118	Sequence 1118, APP	1129	73.5	1.9	2221	6	Sequence 3, APP
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1056	75	1.9	1793	7	US-11-174-3-07B-1104	Sequence 548, APP	1132	73.5	1.9	2221	6	Sequence 15, APP
1057	75	1.9	1797	7	US-10-449-902-48457	Sequence 2694, APP	1133	73.5	1.9	2221	6	Sequence 6, APP
1058	75	1.9	1845	7	US-11-174-3-07B-1310	Sequence 1310, APP	1134	73.5	1.9	263	7	Sequence 18, APP
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1060	75	1.9	1972	7	US-11-174-3-07B-190-1	Sequence 1, APP	1136	73.5	1.9	562	7	Sequence 3344, A
1061	75	1.9	2143	7	US-11-174-3-07B-1284	Sequence 1284, APP	1137	73.5	1.9	562	7	Sequence 3444, A
1062	75	1.9	2250	7	US-11-174-3-07B-1394	Sequence 1394, APP	1138	73.5	1.9	604	7	Sequence 3444, A
1063	75	1.9	2262	7	US-11-174-3-07B-2676	Sequence 2676, APP	1139	73.5	1.9	645	7	Sequence 3444, A
1064	75	1.9	2272	7	US-11-174-3-07B-1112	Sequence 1131, APP	1140	73.5	1.9	645	7	Sequence 3444, A

1140	73.5	1.9	739	7	US-11-056-355B-90872	Sequence 90872, A	1214	73	1.9	1546	7	US-11-174-307B-1896
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1142	73.5	1.9	741	6	US-10-449-902-53293	Sequence 53293, A	1216	73	1.9	1565	7	US-11-174-307B-1824
1143	73.5	1.9	777	6	US-10-953-349-35469	Sequence 35469, A	1217	73	1.9	1567	7	US-11-174-307B-2116
1144	73.5	1.9	780	7	US-11-056-355B-90871	Sequence 90871, A	1218	73	1.9	1581	7	US-11-174-307B-906
1145	73.5	1.9	895	6	US-10-953-349-35467	Sequence 35468, A	1219	73	1.9	1605	7	US-11-056-355B-88407
1147	73.5	1.9	913	6	US-10-953-349-35467	Sequence 35467, A	1220	73	1.9	1605	7	US-11-056-355B-92163
1148	73.5	1.9	937	6	US-10-449-902-52625	Sequence 45265, A	1221	73	1.9	1641	7	US-11-174-307B-1340
1149	73.5	1.9	1059	7	US-11-174-307B-1214	Sequence 1214, A	1222	73	1.9	1646	7	US-11-056-355B-88406
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1152	73.5	1.9	1258	7	US-11-174-307B-1612	Sequence 1612, A	1225	73	1.9	1689	7	US-11-174-307B-1196
1153	73.5	1.9	1289	7	US-11-174-307B-2922	Sequence 2922, A	1226	73	1.9	1703	7	US-11-174-307B-2214
1154	73.5	1.9	1291	7	US-11-174-307B-1206	Sequence 1206, A	1227	73	1.9	1703	7	US-11-174-307B-2576
1155	73.5	1.9	1300	7	US-11-174-307B-1122	Sequence 112, A	1228	73	1.9	1714	7	US-11-174-307B-1068
1156	73.5	1.9	1302	7	US-11-174-307B-2152	Sequence 2152, A	1229	73	1.9	1757	7	US-11-174-307B-554
1157	73.5	1.9	1324	7	US-11-174-307B-1210	Sequence 1210, A	1230	73	1.9	1773	7	US-11-056-355B-88405
1158	73.5	1.9	1389	7	US-11-174-307B-1304	Sequence 1304, A	1231	73	1.9	1773	7	US-11-056-355B-92161
1159	73.5	1.9	1391	7	US-11-174-307B-4782	Sequence 4782, A	1232	73	1.9	1707	7	US-11-174-307B-680
1160	73.5	1.9	1405	7	US-11-174-307B-2296	Sequence 2296, A	1233	73	1.9	2047	7	US-11-174-307B-214
1161	73.5	1.9	1428	7	US-11-174-307B-1244	Sequence 1144, A	1234	73	1.9	2133	7	US-11-174-307B-1894
1162	73.5	1.9	1437	7	US-11-174-307B-2014	Sequence 2014, A	1235	73	1.9	2235	7	US-11-174-307B-2036
1163	73.5	1.9	1438	7	US-11-174-307B-1176	Sequence 1176, A	1236	73	1.9	3250	7	US-11-174-307B-2262
1164	73.5	1.9	1481	7	US-11-174-307B-1190	Sequence 1190, A	1237	73	1.9	3682	7	US-11-174-307B-2486
1165	73.5	1.9	1506	7	US-11-174-307B-1870	Sequence 1870, A	1238	72.5	1.8	62	7	US-11-174-307B-846-4
1166	73.5	1.9	1657	7	US-11-174-307B-1212	Sequence 1212, A	1239	72.5	1.8	234	6	US-10-174-307B-1894
1167	73.5	1.9	1750	7	US-11-174-307B-570	Sequence 570, A	1240	72.5	1.8	279	6	US-10-554-1903
1168	73.5	1.9	1751	7	US-11-174-307B-2426	Sequence 2426, A	1241	72.5	1.8	321	7	US-11-174-307B-9750
1169	73.5	1.9	1818	7	US-11-174-307B-732	Sequence 732, A	1242	72.5	1.8	370	6	US-10-449-902-33564
1170	73.5	1.9	1869	7	US-11-174-307B-746	Sequence 746, A	1243	72.5	1.8	384	6	US-10-449-902-3497-7069
1171	73.5	1.9	1942	7	US-11-174-307B-2732	Sequence 2732, A	1244	72.5	1.8	406	6	US-11-056-355B-9749
1172	73.5	1.9	1959	7	US-11-174-307B-1428	Sequence 1428, A	1245	72.5	1.8	428	6	US-10-449-902-44200
1173	73.5	1.9	1961	7	US-11-174-307B-1714	Sequence 1714, A	1246	72.5	1.8	459	6	US-10-953-349-7070
1174	73.5	1.9	2628	7	US-11-174-307B-2692	Sequence 2692, A	1247	72.5	1.8	456	7	US-11-174-307B-1342
1175	73.5	1.9	3249	6	US-10-547-340-47	Sequence 47, A	1248	72.5	1.8	470	6	US-10-953-349-7069
1176	73.5	1.9	3491	6	US-10-351-617-4	Sequence 4, A	1249	72.5	1.8	513	7	US-11-056-355B-32711
1177	73.5	1.9	3491	7	US-11-315-825-3	Sequence 4, A	1250	72.5	1.8	541	6	US-11-056-355B-68863
1178	73.5	1.9	3495	6	US-10-449-902-8546	Sequence 3856, A	1251	72.5	1.8	541	6	US-10-449-902-48914
1179	73.5	1.9	3496	7	US-11-351-617-8	Sequence 3856, A	1252	72.5	1.8	542	6	US-11-056-355B-94215
1180	73.5	1.9	3497	6	US-10-953-349-3274	Sequence 3274, A	1253	72.5	1.8	548	6	US-10-953-349-32710
1181	73.5	1.9	3498	7	US-10-953-349-1707	Sequence 1370, A	1254	72.5	1.8	548	7	US-11-056-355B-68862
1182	73.5	1.9	3499	7	US-10-953-349-54862	Sequence 54862, A	1255	72.5	1.8	557	7	US-11-056-355B-71276
1183	73.5	1.9	3499	7	US-11-056-355B-55583	Sequence 5553, A	1256	72.5	1.8	591	7	US-11-056-355B-91853
1184	73.5	1.9	3499	6	US-10-953-349-3273	Sequence 3273, A	1257	72.5	1.8	591	7	US-11-056-355B-95609
1185	73.5	1.9	3533	6	US-10-953-349-13706	Sequence 13706, A	1258	72.5	1.8	594	7	US-11-056-355B-71275
1186	73.5	1.9	3533	7	US-11-056-355B-55582	Sequence 5552, A	1259	72.5	1.8	595	7	US-11-056-355B-71274
1187	73.5	1.9	3546	6	US-10-449-902-40808	Sequence 40808, A	1260	72.5	1.8	603	7	US-11-293-697-3185
1188	73.5	1.9	3546	7	US-10-449-902-88753	Sequence 2853, A	1261	72.5	1.8	613	7	US-10-953-349-32709
1189	73.5	1.9	4576	6	US-10-449-902-31359	Sequence 1359, A	1262	72.5	1.8	613	7	US-11-056-355B-91853
1190	73.5	1.9	4576	7	US-10-449-902-50709	Sequence 50709, A	1263	72.5	1.8	617	7	US-11-056-355B-45215
1191	73.5	1.9	5189	7	US-11-191-244-65	Sequence 3402, A	1264	72.5	1.8	631	7	US-11-056-355B-71275
1192	73.5	1.9	5216	6	US-10-526-905-11	Sequence 5552, A	1265	72.5	1.8	648	7	US-11-293-697-3046
1193	73.5	1.9	6056	6	US-10-449-902-45413	Sequence 45413, A	1266	72.5	1.8	696	7	US-11-289-102-309
1194	73.5	1.9	6311	6	US-10-449-902-53311	Sequence 53311, A	1267	72.5	1.8	720	7	US-11-174-307B-4966
1195	73.5	1.9	7316	6	US-10-480-962-13	Sequence 13, A	1268	72.5	1.8	725	7	US-11-056-355B-91852
1196	73.5	1.9	7316	7	US-11-293-997-4126	Sequence 4126, A	1269	72.5	1.8	748	7	US-11-056-355B-95213
1197	73.5	1.9	7647	7	US-11-191-244-65	Sequence 65, A	1270	72.5	1.8	725	7	US-11-056-355B-45214
1198	73.5	1.9	8146	6	US-10-449-902-54355	Sequence 54355, A	1271	72.5	1.8	733	7	US-11-056-355B-46154
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1202	73.5	1.9	11367	7	US-11-174-307B-2504	Sequence 2504, A	1275	72.5	1.8	748	7	US-11-056-355B-10755
1203	73.5	1.9	12997	7	US-11-174-307B-1524	Sequence 1524, A	1276	72.5	1.8	748	7	US-11-056-355B-11994
1204	73.5	1.9	1377	7	US-11-174-307B-518	Sequence 518, A	1277	72.5	1.8	947	6	US-10-449-902-41153
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1208	73.5	1.9	14627	7	US-11-174-307B-542	Sequence 542, A	1280	72.5	1.8	1057	7	US-11-174-307B-3420
1209	73.5	1.9	14867	7	US-11-174-307B-684	Sequence 684, A	1281	72.5	1.8	1144	7	US-11-174-307B-2720
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1211	73.5	1.9	15117	7	US-11-174-307B-1120	Sequence 1120, A	1283	72.5	1.8	1347	7	US-11-174-307B-1066
1212	73.5	1.9	15317	7	US-11-174-307B-170	Sequence 170, A	1284	72.5	1.8	1347	7	US-11-174-307B-3378
1213	73.5	1.9	15397	7	US-11-174-307B-2180	Sequence 2180, A	1285	72.5	1.8	1353	7	US-11-174-307B-3378

1287	72.5	1.8	1410	7	US-11-174-307B-5448	Sequence 5448, AP	1360	72	1.8	858	7	US-11-174-307B-1934
1288	72.5	1.8	1439	7	US-11-174-307B-604	Sequence 604, AP	1361	72	1.8	929	7	US-11-174-307B-3296
1289	72.5	1.8	1523	7	US-11-174-307B-766	Sequence 766, AP	1362	72	1.8	945	7	US-11-174-307B-2739
1290	72.5	1.8	1670	7	US-11-174-307B-1010	Sequence 1010, AP	1363	72	1.8	998	7	US-11-174-307B-2138
1291	72.5	1.8	1701	7	US-11-174-307B-2440	Sequence 2440, AP	1364	72	1.8	1093	6	US-10-449-902-41338
1292	72.5	1.8	1730	7	US-11-174-307B-2288	Sequence 2288, AP	1365	72	1.8	1102	6	US-10-339-8865-20
1293	72.5	1.8	1783	7	US-11-174-307B-902	Sequence 902, AP	1366	72	1.8	1131	7	US-11-174-307B-2558
1294	72.5	1.8	1910	7	US-11-174-307B-2256	Sequence 2256, AP	1367	72	1.8	1181	7	US-11-174-307B-2684
1295	72.5	1.8	2309	7	US-11-174-307B-1562	Sequence 1562, AP	1368	72	1.8	1192	7	US-11-174-307B-634
1296	72	1.8	110	6	US-10-953-349-6866	Sequence 6866, AP	1369	72	1.8	1197	7	US-11-174-307B-310
1297	72	1.8	143	7	US-11-056-355B-89516	Sequence 89516, AP	1370	72	1.8	1217	7	US-11-174-307B-3224
1298	72	1.8	143	7	US-11-056-355B-93272	Sequence 93272, AP	1371	72	1.8	1260	7	US-11-174-307B-800
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1300	72	1.8	148	7	US-11-056-355B-93271	Sequence 93271, AP	1373	72	1.8	1270	7	US-11-174-307B-2552
1301	72	1.8	148	7	US-11-056-355B-101319	Sequence 101319, AP	1374	72	1.8	1335	7	US-11-174-307B-1106
1302	72	1.8	148	7	US-11-056-355B-93761	Sequence 93761, AP	1375	72	1.8	1372	7	US-11-056-355B-91779
1303	72	1.8	148	7	US-11-056-355B-11258	Sequence 11258, AP	1376	72	1.8	1372	7	US-11-056-355B-110418
1304	72	1.8	168	7	US-11-056-355B-7955	Sequence 7955, AP	1377	72	1.8	1420	7	US-11-174-307B-538
1305	72	1.8	169	7	US-11-056-355B-7954	Sequence 7954, AP	1378	72	1.8	1427	7	US-11-174-307B-606
1306	72	1.8	177	6	US-10-953-349-18258	Sequence 18258, AP	1379	72	1.8	1443	7	US-11-174-307B-906
1307	72	1.8	177	7	US-11-056-355B-101319	Sequence 101319, AP	1380	72	1.8	1450	7	US-11-174-307B-1138
1308	72	1.8	181	6	US-10-953-349-1454	Sequence 1454, AP	1381	72	1.8	1480	7	US-11-174-307B-3308
1309	72	1.8	192	7	US-11-354-653-54	Sequence 54, AP	1382	72	1.8	1606	7	US-11-174-307B-978
1310	72	1.8	196	6	US-10-953-349-1453	Sequence 1453, AP	1383	72	1.8	1620	7	US-11-174-307B-1132
1311	72	1.8	227	6	US-10-449-902-56088	Sequence 56088, AP	1384	72	1.8	1632	7	US-11-174-307B-3990
1312	72	1.8	228	7	US-11-354-617-6	Sequence 112557, AP	1385	72	1.8	1636	7	US-11-174-307B-042
1313	72	1.8	231	6	US-10-449-902-31092	Sequence 31092, AP	1386	72	1.8	1636	7	US-11-289-102-341
1314	72	1.8	241	6	US-10-953-349-1452	Sequence 1452, AP	1387	72	1.8	1713	7	US-11-174-307B-1752
1315	72	1.8	250	6	US-11-056-355B-89514	Sequence 89514, AP	1388	72	1.8	1826	7	US-11-174-307B-1122
1316	72	1.8	250	7	US-11-056-355B-93270	Sequence 93270, AP	1389	72	1.8	1990	7	US-11-174-307B-862
1317	72	1.8	250	7	US-11-056-355B-101318	Sequence 101318, AP	1390	72	1.8	2499	7	US-11-174-307B-268
1318	72	1.8	250	7	US-11-056-355B-11257	Sequence 112557, AP	1391	71.5	1.8	258	7	US-11-324-896-8
1319	72	1.8	276	7	US-11-056-355B-101317	Sequence 101317, AP	1392	71.5	1.8	260	6	US-11-217-997-8
1320	72	1.8	276	7	US-11-056-355B-11256	Sequence 112556, AP	1393	71.5	1.8	262	7	US-11-053-319-16681
1321	72	1.8	336	7	US-10-953-349-11024	Sequence 11024, AP	1394	71.5	1.8	270	7	US-11-056-355B-52267
1322	72	1.8	337	7	US-11-056-355B-87272	Sequence 87272, AP	1395	71.5	1.8	273	7	US-11-056-355B-5666
1323	72	1.8	343	6	US-10-449-902-36800	Sequence 36800, AP	1396	71.5	1.8	277	6	US-10-953-349-5817
1324	72	1.8	343	6	US-10-953-349-26200	Sequence 26200, AP	1397	71.5	1.8	279	6	US-10-953-349-5817
1325	72	1.8	421	7	US-11-056-335B-36763	Sequence 36763, AP	1398	71.5	1.8	294	6	US-11-056-355B-56265
1326	72	1.8	436	7	US-11-056-335B-87271	Sequence 87271, AP	1399	71.5	1.8	299	7	US-11-056-355B-88018
1327	72	1.8	439	7	US-11-056-335B-22884	Sequence 22884, AP	1400	71.5	1.8	307	7	US-11-056-355B-89134
1328	72	1.8	349	7	US-11-056-335B-22885	Sequence 22885, AP	1401	71.5	1.8	229	7	US-11-056-355B-82990
1329	72	1.8	395	7	US-11-056-335B-36764	Sequence 36764, AP	1402	71.5	1.8	242	6	US-10-953-349-16779
1330	72	1.8	407	6	US-10-953-349-22068	Sequence 22068, AP	1403	71.5	1.8	242	7	US-11-056-355B-6265
1331	72	1.8	421	7	US-11-056-335B-36763	Sequence 36763, AP	1404	71.5	1.8	254	6	US-10-953-349-59154
1332	72	1.8	453	6	US-10-511-937-2485	Sequence 2485, AP	1405	71.5	1.8	254	7	US-11-056-355B-39513
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1111	276	7.0	249	4	US-10-708-899-46	Sequence 2, Appli
1112	276	7.0	249	5	US-11-151-011-28	Sequence 28, Appli
1113	276	7.0	251	3	US-09-961-721-4	Sequence 4, Appli
1114	276	7.0	251	4	US-10-170-899-45	Sequence 45, Appli
1115	276	7.0	251	4	US-10-151-011-27	Sequence 27, Appli
1116	276	7.0	251	5	US-10-151-011-27	Sequence 27, Appli
1117	276	7.0	259	4	US-10-107-782-214	Sequence 214, App
1118	276	7.0	259	4	US-10-038-354-100	Sequence 100, App
1119	276	7.0	396	4	US-10-700-787-1	Sequence 1, Appli
1120	276	7.0	527	4	US-10-705-633-3	Sequence 3, Appli
1121	275.5	7.0	405	4	US-10-360-01-225	Sequence 225, App
1122	275.5	7.0	405	4	US-10-782-587B-1	Sequence 1, Appli
1123	275.5	7.0	406	3	US-09-782-587B-3	Sequence 3, Appli
1124	275.5	7.0	406	4	US-10-109-982-1	Sequence 1, Appli
1125	275.5	7.0	406	4	US-10-255-312-1	Sequence 1, Appli
1126	275.5	7.0	406	4	US-10-281-727-1	Sequence 1, Appli
1127	275.5	7.0	406	4	US-10-386-988-7	Sequence 7, Appli
1128	275.5	7.0	406	4	US-10-617-500-1	Sequence 1, Appli
1129	275.5	7.0	406	4	US-10-617-500-1	Sequence 1, Appli
1130	275.5	7.0	406	4	US-10-263-05B-2	Sequence 2, Appli
1131	275.5	7.0	406	4	US-10-617-619-1	Sequence 2, Appli
1132	275.5	7.0	406	4	US-10-701-294-1	Sequence 1, Appli
1133	275.5	7.0	406	4	US-10-669-337-1	Sequence 1, Appli
1134	275.5	7.0	406	4	US-10-738-777-2	Sequence 2, Appli
1135	275.5	7.0	406	5	US-10-900-490-1	Sequence 1, Appli
1136	275.5	7.0	406	5	US-10-725-843-3	Sequence 3, Appli
1137	275.5	7.0	406	5	US-10-609-01A-1	Sequence 1, Appli
1138	275.5	7.0	406	5	US-10-950-747-1	Sequence 1, Appli
1139	275.5	7.0	406	5	US-10-950-747-3	Sequence 1, Appli
1140	275.5	7.0	406	5	US-10-822-943-1	Sequence 2, Appli
1141	275.5	7.0	406	6	US-10-921-039-1	Sequence 1, Appli
1142	275.5	7.0	406	6	US-11-111-072-1	Sequence 1, Appli
1143	275.5	7.0	406	6	US-11-111-079-1	Sequence 1, Appli
1144	275.5	7.0	406	6	US-11-186-669-1	Sequence 1, Appli
1145	275.5	7.0	406	6	US-11-227-340-1	Sequence 1, Appli
1146	275.5	7.0	444	4	US-10-411-037-8	Sequence 8, Appli
1147	275.5	7.0	444	4	US-10-382-248-34	Sequence 34, Appli
1148	275.5	7.0	444	4	US-10-411-026-8	Sequence 1, Appli
1149	275.5	7.0	444	4	US-10-410-622-8	Sequence 8, Appli
1150	275.5	7.0	444	4	US-10-411-049-8	Sequence 8, Appli
1151	275.5	7.0	444	4	US-10-623-205B-3	Sequence 3, Appli
1152	275.5	7.0	444	4	US-10-410-930-8	Sequence 8, Appli
1153	275.5	7.0	444	4	US-10-410-997-8	Sequence 8, Appli
1154	275.5	7.0	444	4	US-10-411-012-8	Sequence 8, Appli
1155	275.5	7.0	444	4	US-10-287-994-8	Sequence 8, Appli
1156	275.5	7.0	444	4	US-10-410-913-8	Sequence 8, Appli
1157	275.5	7.0	444	4	US-10-738-777-3	Sequence 8, Appli
1158	275.5	7.0	444	4	US-0-410-980-8	Sequence 8, Appli
1159	275.5	7.0	444	4	US-10-410-897-8	Sequence 8, Appli
1160	275.5	7.0	444	4	US-10-492-261-8	Sequence 8, Appli
1161	275.5	7.0	444	4	US-11-183-205-8	Sequence 8, Appli
1162	275.5	7.0	459	4	US-10-741-601-503	Sequence 504, App
1163	275.5	7.0	459	4	US-10-741-601-504	Sequence 504, App
1164	275.5	7.0	641	4	US-10-617-619-8	Sequence 8, Appli
1165	275.5	7.0	641	6	US-11-227-340-8	Sequence 8, Appli
1166	275.5	7.0	671	5	US-10-841-250-6	Sequence 6, Appli
1167	275.5	7.0	671	6	US-11-029-003-6	Sequence 6, Appli
1168	275.5	7.0	679	4	US-10-617-619-11	Sequence 11, Appli
1169	275.5	7.0	679	6	US-11-227-340-11	Sequence 11, Appli
1170	275.5	7.0	1113	5	US-10-926-083-4	Sequence 1, Appli
1171	275.5	7.0	1113	5	US-03-912-559-3	Sequence 1, Appli
1172	275.5	7.0	1165	3	US-09-912-559-3	Sequence 4, Appli
1173	275.5	7.0	1165	3	US-10-930-754-3	Sequence 3, Appli
1174	275.5	6.9	560	4	US-10-930-754-5	Sequence 3, Appli
1175	275.5	6.9	560	5	US-10-391-215-6	Sequence 6, Appli
1176	275.5	6.9	560	4	US-10-391-215-7	Sequence 7, Appli
1177	275.5	6.9	560	4	US-10-12-332-1	Sequence 8, Appli
1178	275.5	6.9	560	5	US-10-007-340-169	Sequence 854, App
1179	275.5	6.9	560	5	US-10-282-907-2	Sequence 169, App
1180	275.5	6.9	560	5	US-10-301-822-4	Sequence 169, App
1181	275.5	6.9	560	5	US-10-398-490A-11	Sequence 97, Appli
1182	272.5	6.9	296	4	US-11-148-671-17	Sequence 11, Appli
1183	272.5	6.9	488	4	US-10-12-332-1	Sequence 11, Appli
1184	271.5	6.9	244	4	US-10-007-340-169	Sequence 169, App
1185	271.5	6.9	244	4	US-10-282-907-2	Sequence 169, App
1186	271.5	6.9	244	4	US-10-301-822-4	Sequence 97, Appli
1187	271.5	6.9	244	4	US-10-295-027-330	Sequence 530, App
1188	271.5	6.9	244	4	US-10-173-399-131	Sequence 17, Appli
1189	271.5	6.9	244	4	US-10-151-011-27	Sequence 25, Appli
1190	271.5	6.9	244	4	US-10-172-712-28	Sequence 28, Appli
1191	271.5	6.9	244	4	US-10-301-822-4	Sequence 9, Appli
1192	271.5	6.9	244	5	US-10-868-490A-11	Sequence 11, Appli
1193	271.5	6.9	244	5	US-10-868-490A-13	Sequence 13, Appli
1194	271.5	6.9	244	5	US-10-150-857-611	Sequence 15, Appli
1201	271.5	6.9	244	5	US-10-210-139-14	Sequence 14, Appli
1202	271	6.9	650	4	US-10-401-077-1	Sequence 4963, Ap
1203	269	6.8	462	4	US-10-416-952-2	Sequence 169, App
1204	269	6.8	463	3	US-03-808-602-103	Sequence 97, Appli
1205	269	6.8	643	3	US-03-800-198-86	Sequence 670, App
1206	269	6.8	643	4	US-10-099-322-113	Sequence 671, App
1207	269	6.8	643	6	US-10-044-564-113	Sequence 13, App
1208	269	6.8	643	6	US-11-054-281-13	Sequence 13, App
1209	267	6.8	462	4	US-10-411-037-10	Sequence 10, App
1210	267	6.8	462	4	US-10-411-012-10	Sequence 10, App
1211	267	6.8	462	4	US-10-410-913-10	Sequence 10, App
1212	267	6.8	462	4	US-10-411-049-10	Sequence 10, App
1213	267	6.8	462	4	US-10-410-930-10	Sequence 10, App
1214	267	6.8	462	4	US-10-410-997-10	Sequence 10, App
1215	267	6.8	462	4	US-10-410-997-10	Sequence 10, App
1216	267	6.8	462	4	US-10-287-994-10	Sequence 10, App
1217	267	6.8	462	4	US-10-410-997-10	Sequence 10, App
1218	267	6.8	462	4	US-10-410-980-10	Sequence 10, App
1219	267	6.8	462	4	US-10-410-897-10	Sequence 10, App
1220	267	6.8	462	5	US-10-410-261-10	Sequence 10, App
1221	267	6.8	462	6	US-11-183-205-10	Sequence 10, App
1222	265.5	6.7	650	6	US-11-197-143-24561	Sequence 24561, A
1223	265.5	6.7	419	4	US-10-382-248-16	Sequence 36, App
1224	264.5	6.7	900	5	US-10-865-978-15	Sequence 15, App
1225	264	6.7	900	5	US-10-247-671-149	Sequence 149, App

1226	263.5	6.7	411	4	US-10-744-927-1	1299	258.5	6.6	411	4	US-10-407-821-2
1227	263.5	6.7	494	6	US-11-094-519A-35	1300	258.5	6.6	411	5	US-10-828-53B-B16
1228	263	6.7	431	4	US-10-764-21-2	1301	258.5	6.6	411	6	US-11-019-448-3
1229	263	6.7	431	4	US-11-171-311-184	1302	258.5	6.6	412	6	US-10-855-911-2
1230	263	6.7	431	4	US-10-301-822-161	1303	258.5	6.6	787	6	US-11-097-113-40698
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1232	263	6.7	431	4	US-10-295-027-114	1305	257	6.5	215	4	US-10-051-874-102
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1234	263	6.7	431	4	US-10-411-037-34	1307	257	6.5	217	3	US-09-981-151A-97
1235	263	6.7	431	4	US-10-411-012-34	1308	257	6.5	217	4	US-10-032-189-67
1236	263	6.7	431	4	US-10-410-962-34	1309	257	6.5	217	4	US-10-074-978A-223
1237	263	6.7	431	4	US-10-411-049-34	1310	257	6.5	217	4	US-10-055-569A-97
1238	263	6.7	431	4	US-10-410-960-34	1311	257	6.5	217	4	US-10-042-865-156
1239	263	6.7	431	4	US-10-410-997-34	1312	257	6.5	217	4	US-10-072-012-805
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1241	263	6.7	431	4	US-10-410-994-34	1314	257	6.5	217	6	US-11-019-711-136
1242	263	6.7	431	4	US-10-410-913-34	1315	257	6.5	217	4	US-10-398-037-2
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1244	263	6.7	431	5	US-10-741-600-1266	1326	255.5	6.5	411	5	US-10-741-600-829
1245	263	6.7	431	5	US-10-901-417-21	1327	255.5	6.5	207	4	US-10-004-378A-147
1246	263	6.7	431	5	US-10-410-980-34	1328	255.5	6.5	207	4	US-09-96-294-111
1247	263	6.7	431	5	US-10-645-556-38	1329	255.5	6.5	244	3	US-10-455-772-24
1248	263	6.7	431	5	US-10-410-897-34	1330	255.5	6.5	456	5	US-10-461-787-41
1249	263	6.7	431	5	US-10-492-611-34	1331	255.5	6.5	487	3	US-09-884-161
1250	263	6.7	431	5	US-10-995-561-808	1332	254.5	6.5	487	3	US-11-183-205-34
1251	263	6.7	431	5	US-11-186-284-161	1333	254.5	6.5	487	3	US-11-205-34
1252	263	6.7	431	6	US-11-183-205-34	1334	254.5	6.5	487	3	US-11-211-455-13
1253	263	6.7	431	6	US-11-183-205-34	1335	254.5	6.5	487	3	US-11-211-455-13
1254	263	6.7	437	4	US-10-897-192-594	1336	254	6.4	314	6	US-11-097-143-6243
1255	262.5	6.7	415	4	US-10-466-898A-2	1328	254	6.4	431	3	US-09-264-468B-1
1256	262.5	6.7	415	4	US-11-166-028-1	1329	253.5	6.4	456	4	US-10-455-772-22
1257	262.5	6.7	433	5	US-10-488-671-1	1330	253.5	6.4	464	3	US-10-712-332-3
1258	262.5	6.7	435	5	US-10-058-854-95	1331	253.5	6.4	464	3	US-10-712-332-3
1259	262.5	6.7	456	4	US-10-038-854-96	1332	253.5	6.4	487	3	US-10-455-772-24
1260	262.5	6.7	461	3	US-03-884-901-3	1333	253.5	6.4	487	3	US-10-455-772-24
1261	262.5	6.7	461	4	US-10-132-829-5	1334	253.5	6.4	487	3	US-10-455-772-24
1262	262.5	6.7	461	4	US-10-234-406-6	1335	253.5	6.4	487	3	US-10-455-772-24
1263	262.5	6.7	461	4	US-10-234-406-6	1336	253.5	6.4	487	3	US-10-455-772-24
1264	262.5	6.7	461	4	US-10-741-600-832	1337	253.5	6.4	487	3	US-10-455-772-24
1265	262.5	6.7	461	4	US-10-455-772-752	1338	253	6.4	487	3	US-10-455-772-24
1266	262.5	6.7	461	4	US-10-038-884-93	1339	253	6.4	487	3	US-10-455-772-24
1267	262.5	6.7	461	4	US-10-848-94-94	1340	252.5	6.4	492	3	US-10-455-772-24
1268	262.5	6.7	461	4	US-10-239-498A-5	1341	252.5	6.4	492	3	US-10-455-772-24
1269	262.5	6.7	461	5	US-10-741-600-832	1342	252.5	6.4	496	4	US-10-016-241-48
1270	262.5	6.7	461	5	US-10-455-772-752	1343	252.5	6.4	1048	4	US-10-016-241-48
1271	262.5	6.7	461	5	US-10-455-772-752	1344	252.5	6.4	496	4	US-10-016-241-48
1272	262.5	6.7	461	5	US-10-455-772-754	1345	252	6.4	497	5	US-10-455-772-26
1273	262.5	6.7	461	5	US-10-172-459-1	1346	252	6.4	493	5	US-10-455-772-16
1274	262.5	6.7	461	5	US-10-841-819B-23	1347	251.5	6.4	492	5	US-10-455-772-24
1275	262.5	6.7	496	5	US-11-029-003-8	1348	251.5	6.4	496	5	US-10-455-772-24
1276	262.5	6.7	1042	3	US-09-776-191-62	1349	251.5	6.4	487	3	US-09-808-198-17
1277	262.5	6.7	1042	4	US-10-156-214A-29	1350	251.5	6.4	487	3	US-09-808-198-17
1278	262.5	6.7	1042	5	US-10-865-978-2	1351	251.5	6.4	487	3	US-09-808-198-19
1279	262.5	6.7	1042	5	US-10-926-083-8	1352	251	6.4	487	3	US-09-808-198-20
1280	262.5	6.7	1042	6	US-11-067-811-1	1353	250	6.4	486	3	US-09-808-198-20
1281	262.5	6.7	1044	5	US-10-865-778-9	1354	249.5	6.3	403	3	US-09-808-198-20
1282	262.5	6.7	1046	4	US-10-276-774-2345	1355	249.5	6.3	403	3	US-09-808-198-20
1283	262	6.6	280	4	US-10-148-671-26	1356	249.5	6.3	822	3	US-09-147-947-6
1284	261.5	6.6	415	3	US-03-118-748-2	1357	249.5	6.3	487	3	US-10-757-262-34
1285	261.5	6.6	443	5	US-10-741-600-830	1358	249.5	6.3	875	4	US-10-732-860-4046
1286	261	6.6	431	4	US-10-193-656-4	1359	249.5	6.3	1379	6	US-11-037-143-3372
1287	261	6.6	431	5	US-10-721-860-870	1360	249.5	6.3	1379	6	US-11-037-143-3372
1288	261	6.6	431	5	US-10-750-219-4928	1361	249	6.3	1379	6	US-11-037-143-3372
1289	261	6.6	431	5	US-10-504-287-2	1362	249	6.3	235	4	US-10-156-214A-6
1290	260.5	6.6	437	4	US-10-712-332-2	1363	249	6.3	235	4	US-10-712-332-2
1291	260.5	6.6	1032	5	US-10-712-931-814	1364	249	6.3	263	6	US-10-888-615-96
1292	260	6.6	431	4	US-10-282-174-562	1365	249.5	6.3	875	5	US-10-888-615-96
1293	260	6.6	431	5	US-10-600-009-562	1366	249.5	6.3	986	3	US-09-243-389C-19
1294	260	6.6	991	5	US-10-865-978-34	1367	249.5	6.3	986	3	US-09-779-210-51
1295	259	6.6	227	4	US-10-045-367A-4	1368	249.5	6.3	251	3	US-09-888-837A-41
1296	259	6.6	227	4	US-10-170-789-54	1369	249	6.3	230	3	US-09-799-210-62
1297	259	6.6	227	6	US-11-151-601-36	1370	249	6.3	230	6	US-11-004-110-3
1298	259	6.6	227	6	US-11-151-601-36	1371	249	6.3	230	6	US-11-104-111-24

1372	248	6.3	231	4	US-10-600-187-6	1445	244	6.2	638	6	US-11-054-281-114
1373	248	6.3	263	5	US-10-733-969A-74	1446	243.5	6.2	435	6	US-11-097-143-41688
1374	248	6.3	638	3	US-09-808-602-102	1447	243	6.2	273	4	US-10-028-248A-63
1375	248	6.3	638	3	US-09-198-85	1448	243	6.2	273	4	US-10-107-282-63
1376	248	6.3	638	4	US-10-099-822-111	1449	243	6.2	282	4	US-10-051-874-97
1377	248	6.3	638	4	US-10-044-64-111	1450	242.5	6.1	232	4	US-10-156-214-276
1378	248	6.3	638	4	US-10-403-61-50	1451	242.5	6.1	325	5	US-10-865-978-37
1379	248	6.3	638	4	US-10-287-826-400	1452	242.5	6.1	610	5	US-10-921-793-4
1380	248	6.3	638	4	US-10-287-826-658	1453	242.5	6.1	610	5	US-10-931-198-4
1381	248	6.3	638	4	US-10-741-601-303	1454	242.5	6.1	610	5	US-10-942-042-4
1382	248	6.3	638	5	US-10-741-600-854	1455	242.5	6.1	730	5	US-10-287-436A-461
1383	248	6.3	638	5	US-10-995-61-536	1456	242.5	6.1	730	5	US-10-287-436A-1158
1384	248	6.3	638	6	US-11-054-281-111	1457	242.5	6.1	730	5	US-10-921-793-2
1385	247.5	6.3	635	4	US-10-741-601-304	1458	242.5	6.1	730	5	US-10-931-198-2
1386	247.5	6.3	635	5	US-10-741-600-855	1459	242.5	6.1	1019	4	US-10-287-428-99
1387	247	6.3	364	6	US-11-097-43-20392	1460	242.5	6.1	3571	4	US-10-603-283-2
1388	247	6.3	455	5	US-10-865-978-18	1461	242.5	6.1	823	4	US-10-016-248-98
1389	247	6.3	619	4	US-10-403-61-542	1462	242	6.1	322	4	US-10-114-270-134
1390	247	6.3	619	4	US-10-287-826-404	1463	242	6.1	597	5	US-10-453-372-54
1391	247	6.3	623	4	US-10-403-61-48	1464	242	6.1	730	3	US-09-850-048A-2
1392	247	6.3	638	4	US-10-099-822-30	1465	241.5	6.1	416	3	US-09-815-876-2
1393	247	6.3	638	4	US-10-044-64-30	1466	241.5	6.1	416	3	US-09-815-876-2
1394	247	6.3	638	4	US-10-403-61-46	1467	241.5	6.1	823	4	US-10-016-248-98
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1396	247	6.3	638	6	US-11-054-281-30	1469	241	6.1	346	5	US-10-453-372-54
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